

FIG. 1

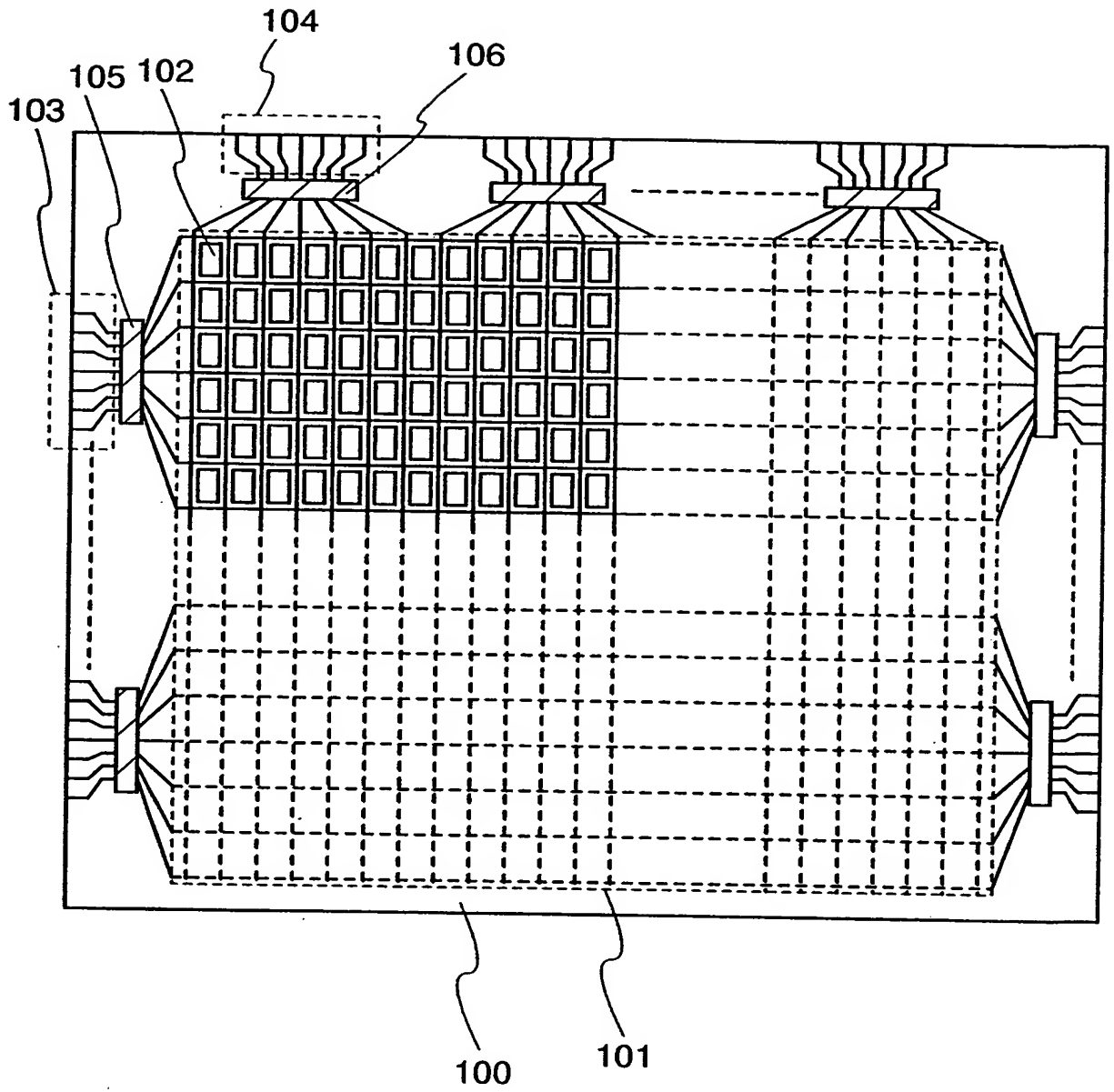


FIG. 2

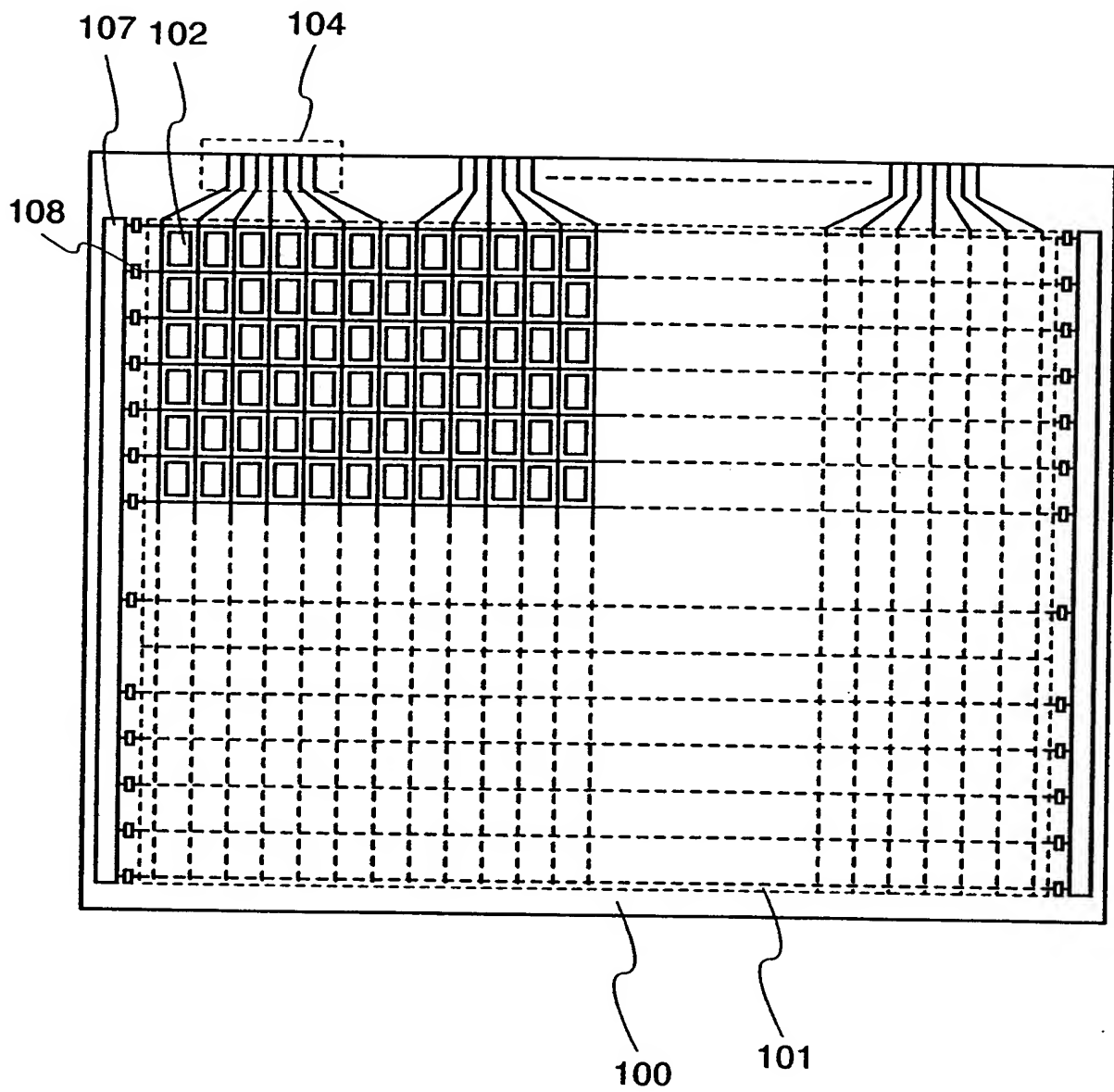


FIG. 3

FIG. 4A

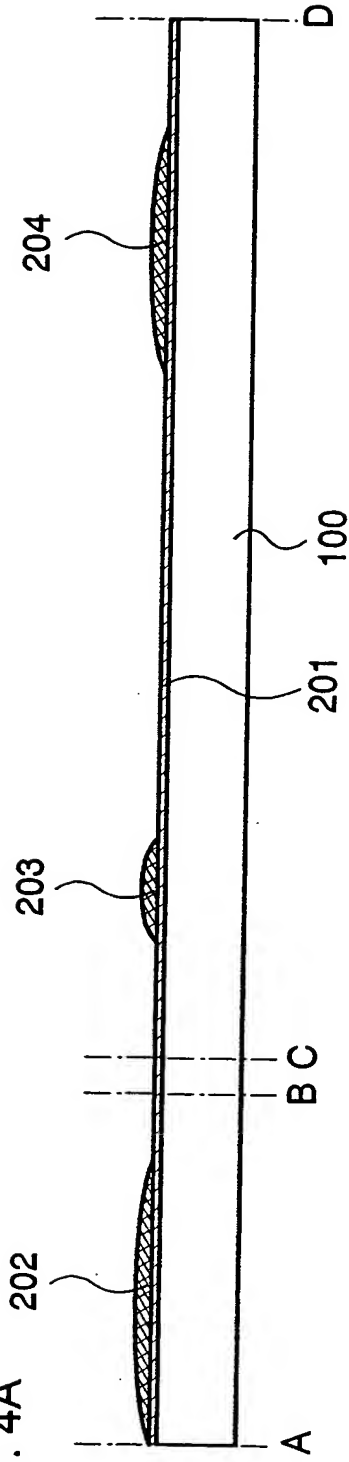


FIG. 4B

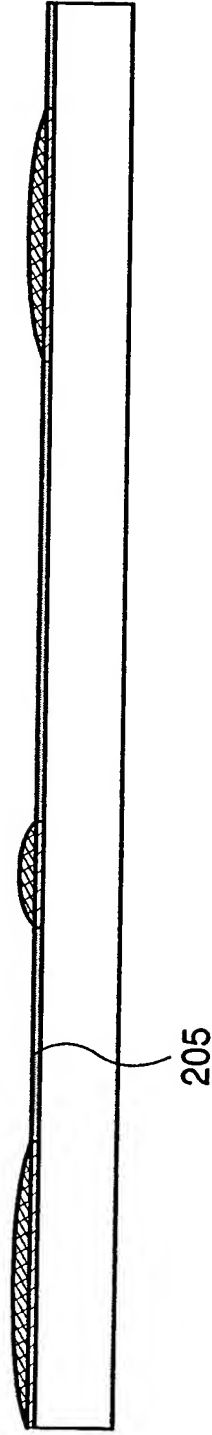
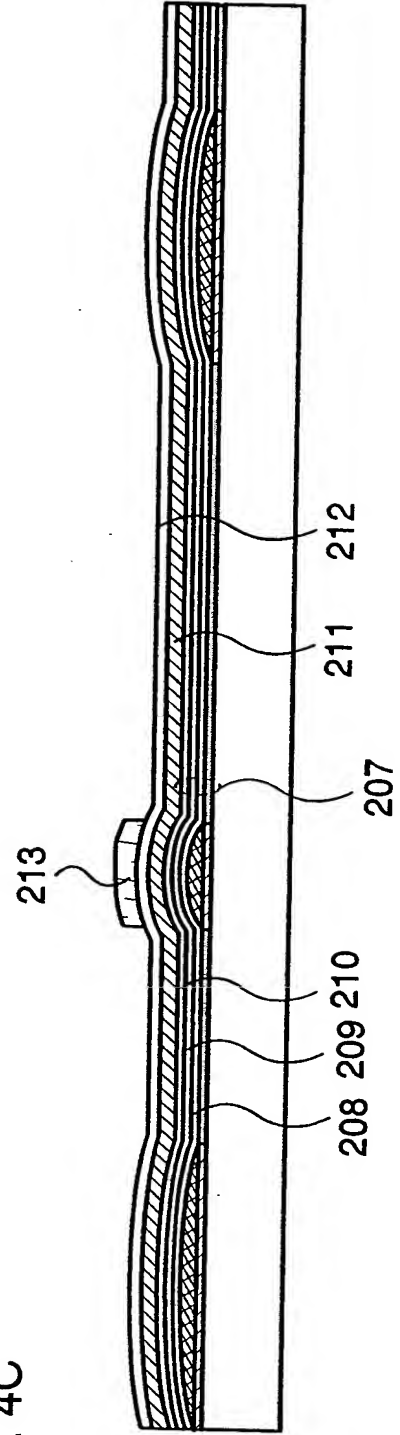


FIG. 4C



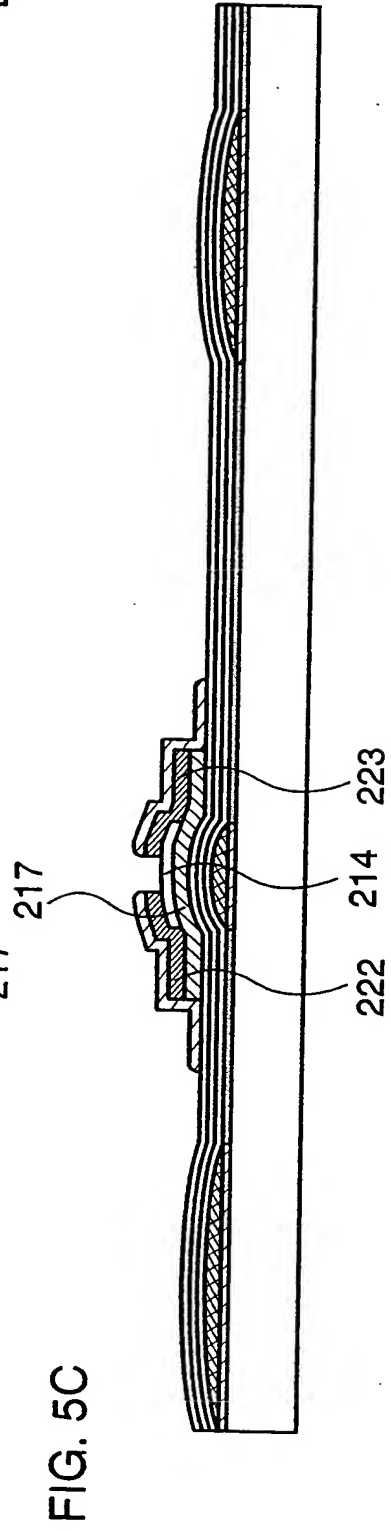
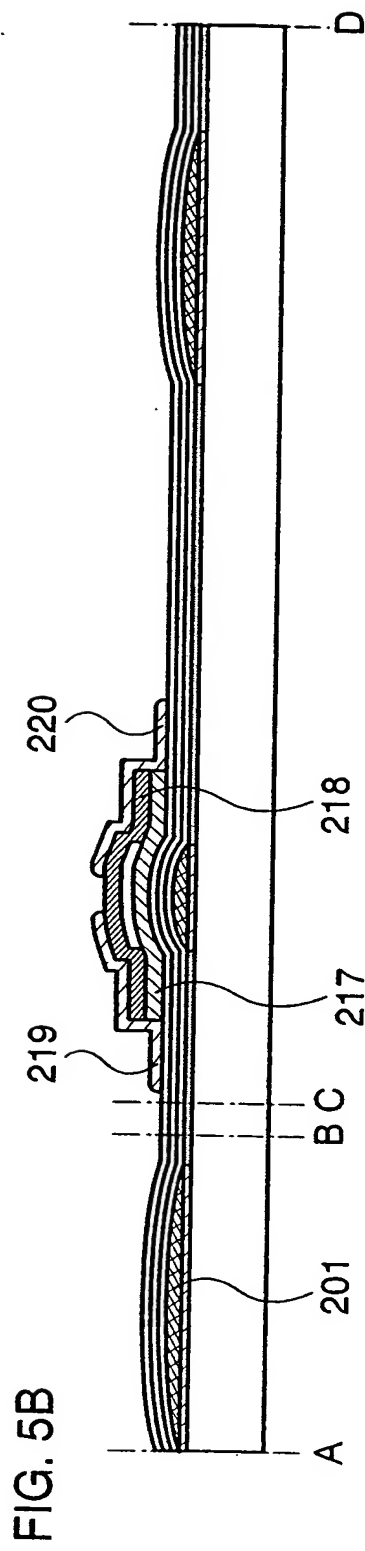
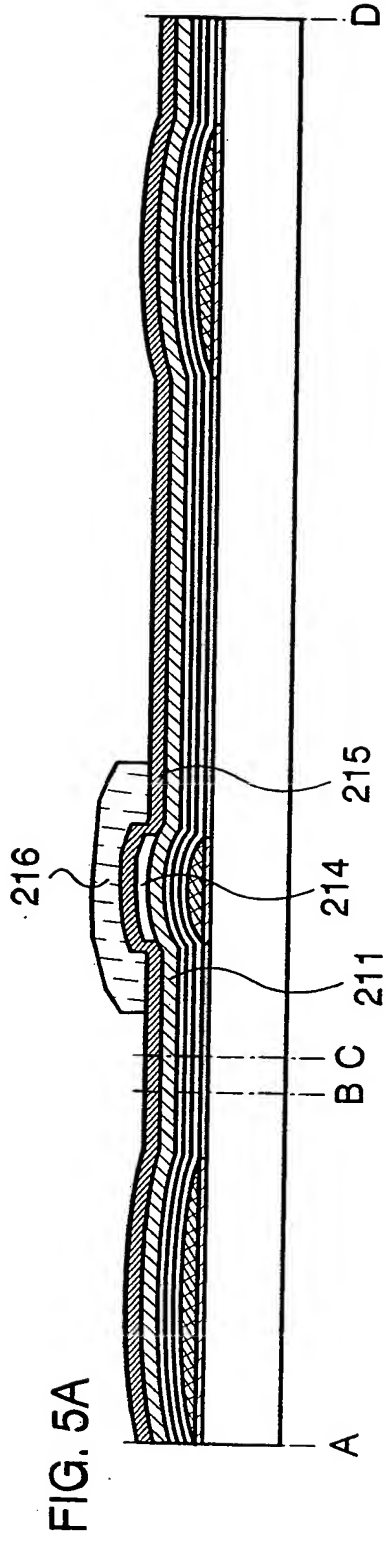


FIG. 6A

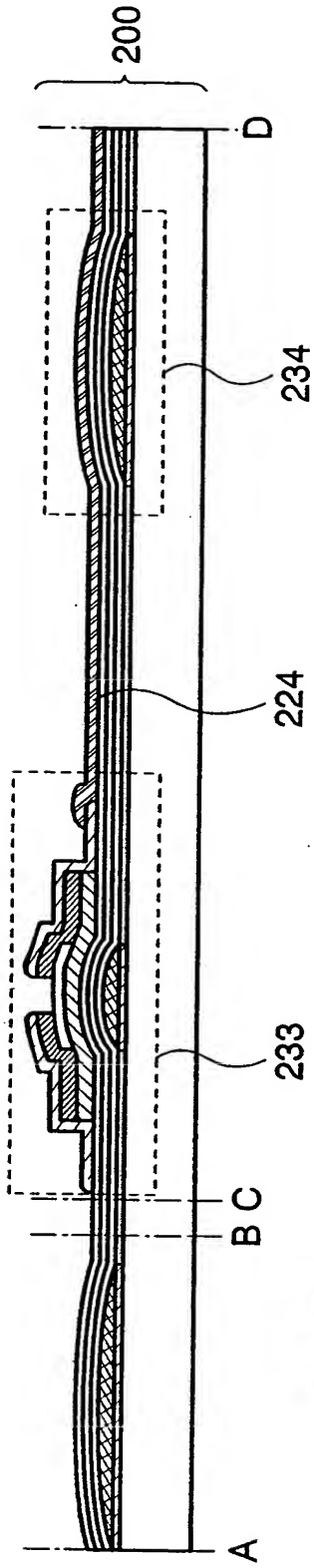


FIG. 6B

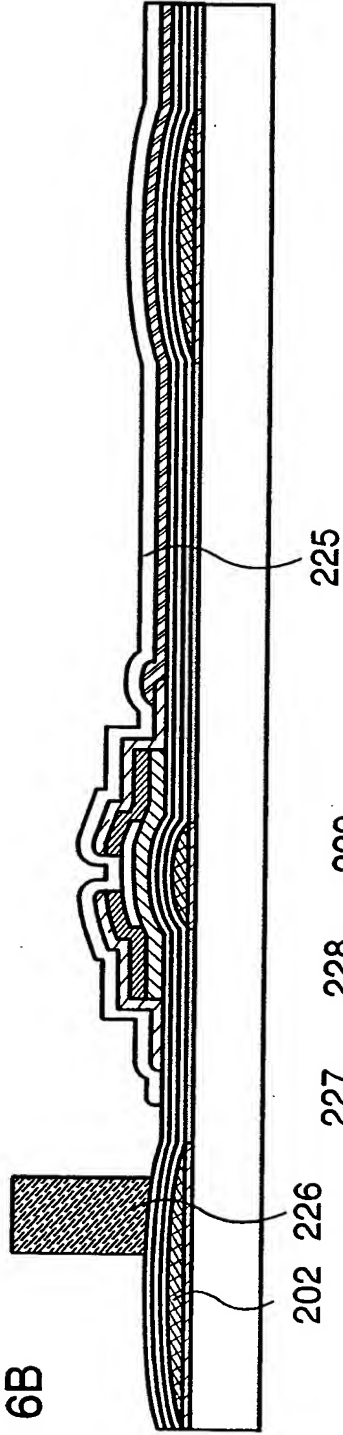
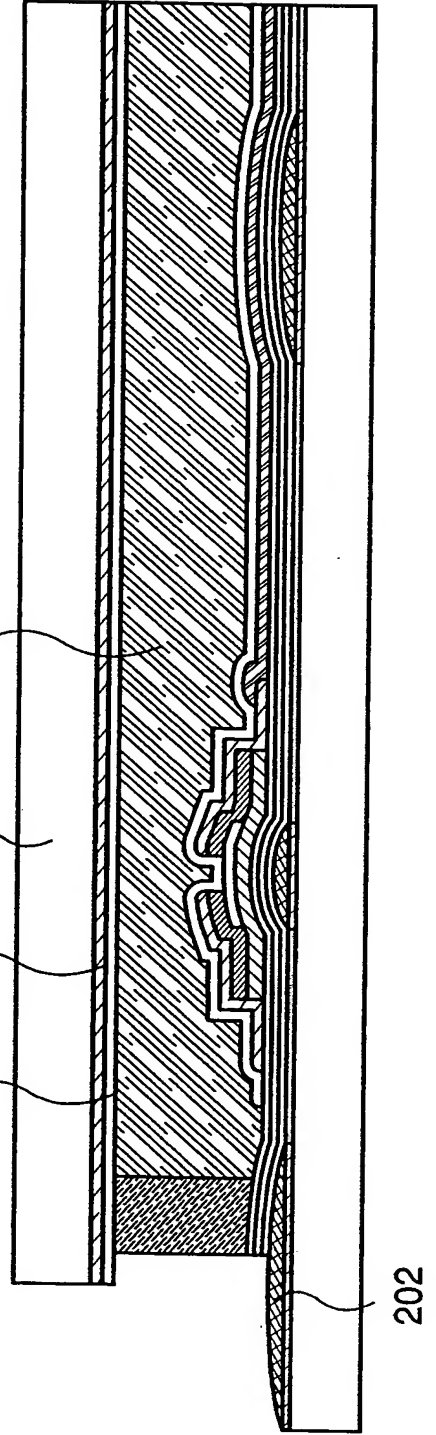


FIG. 6C



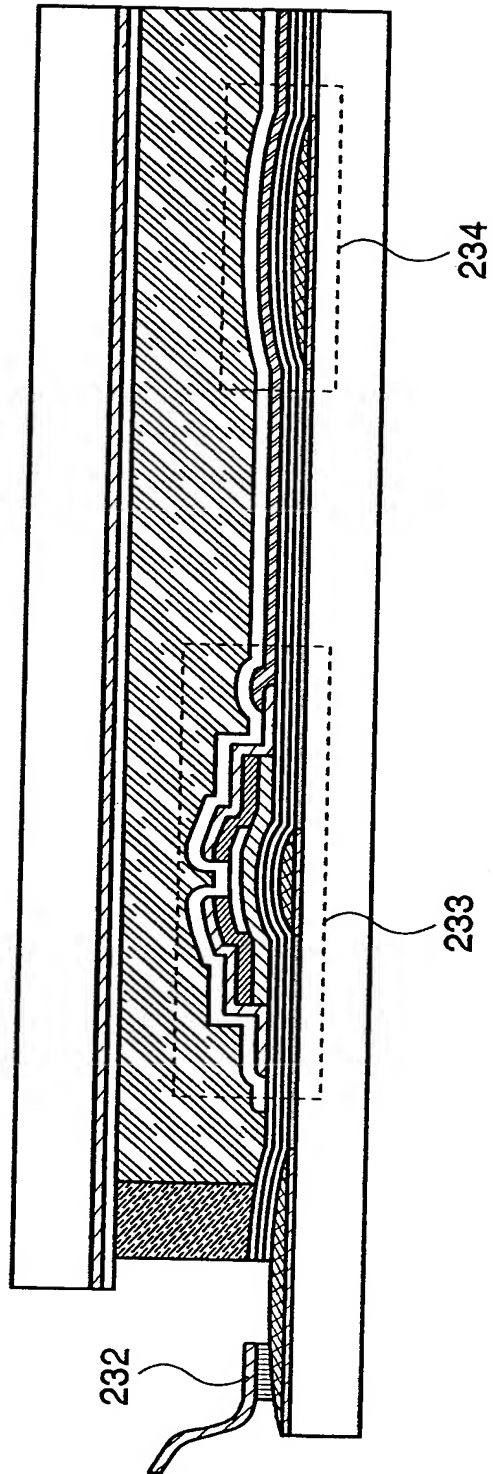


FIG. 7

FIG. 8A

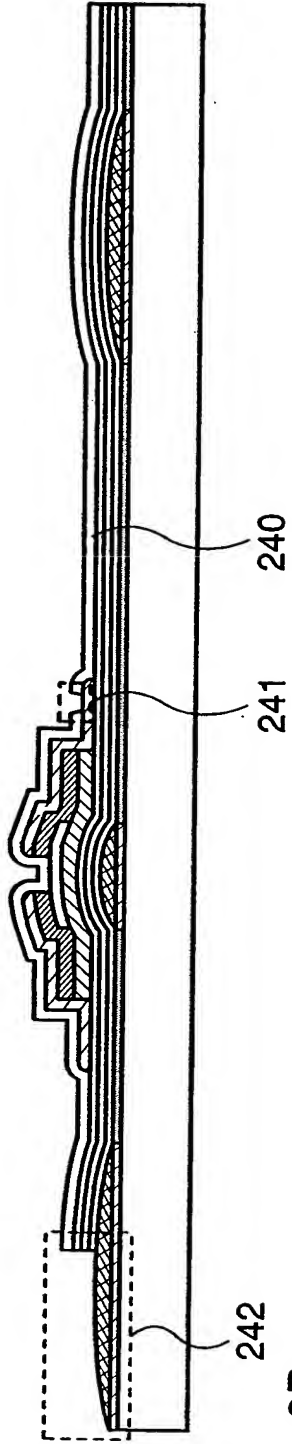
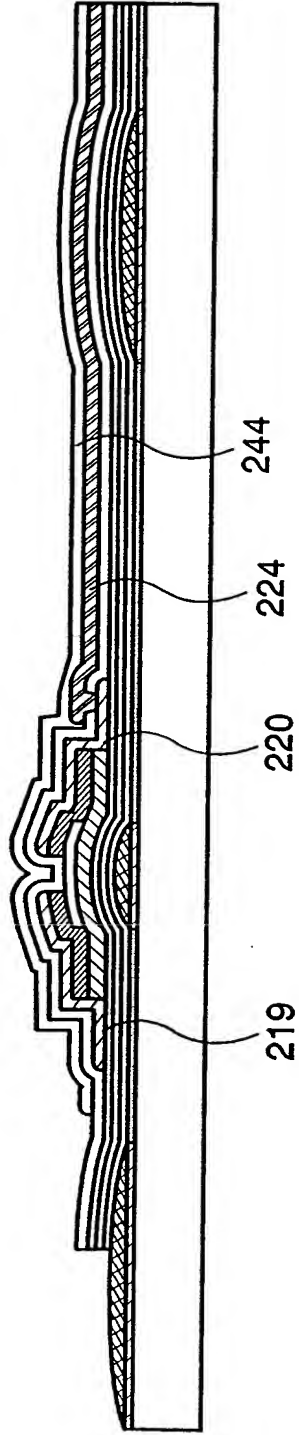


FIG. 8B



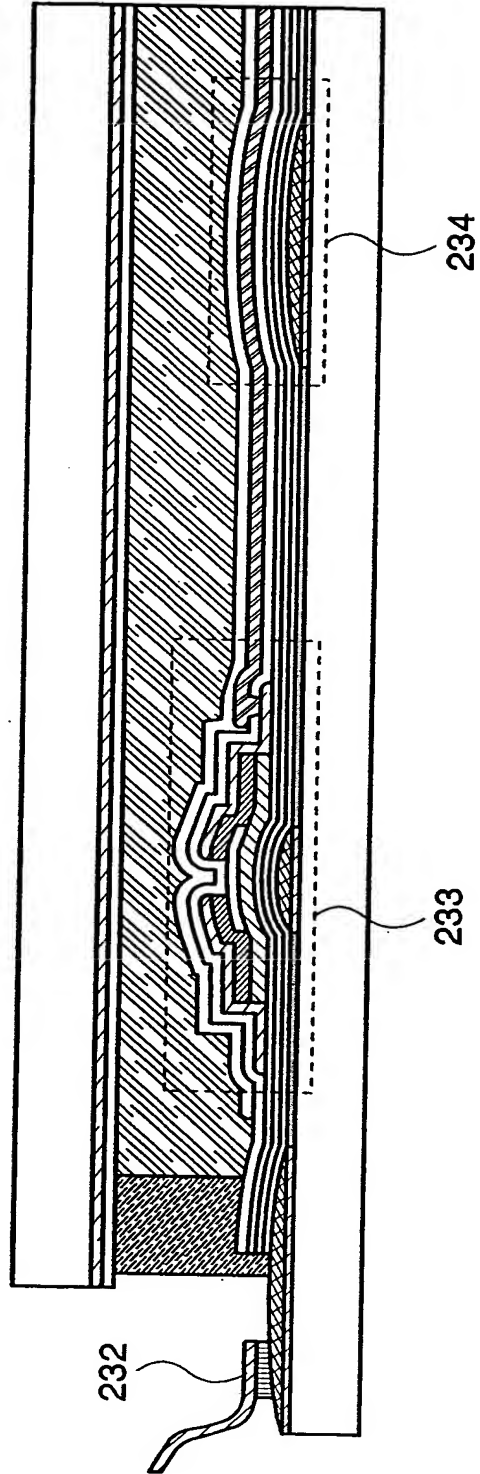


FIG. 9

FIG. 10A

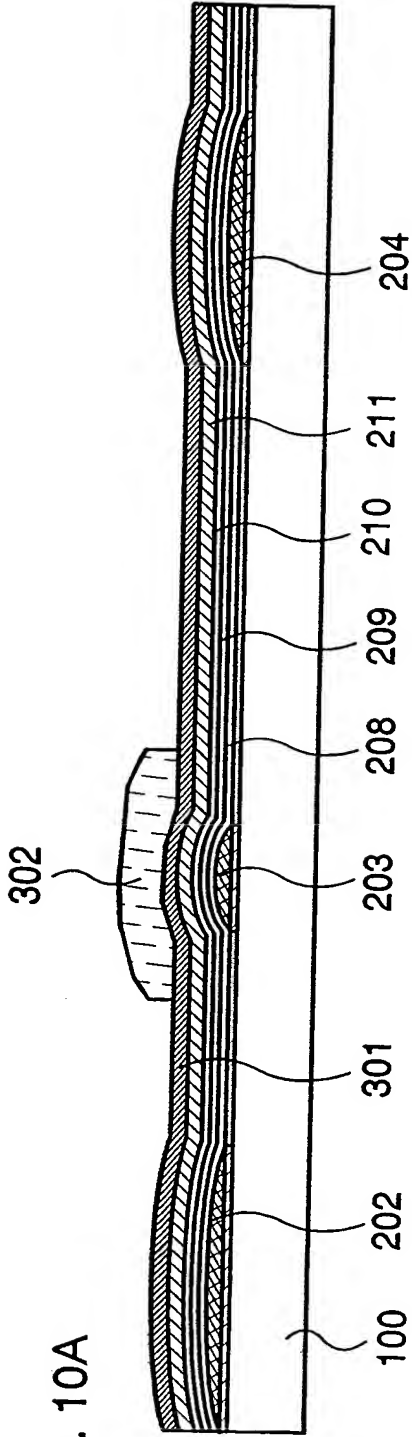


FIG. 10B

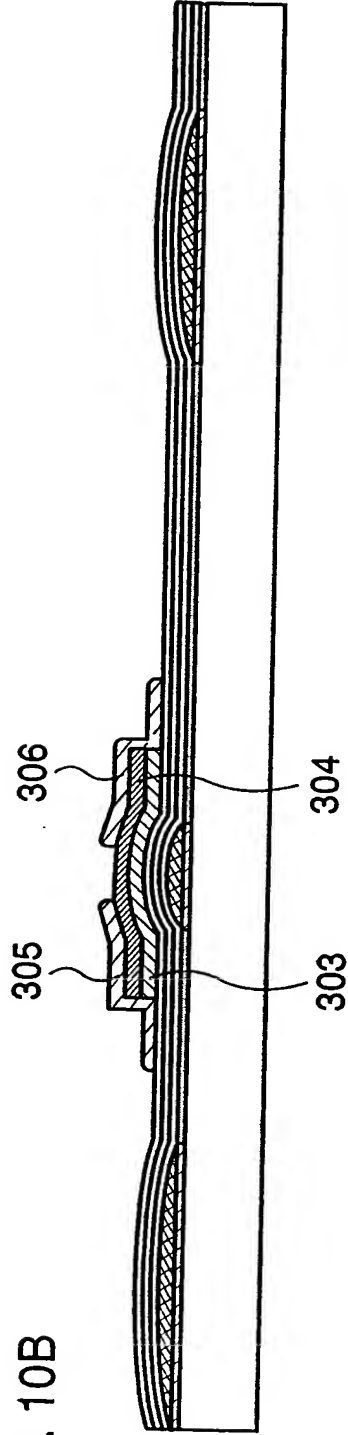
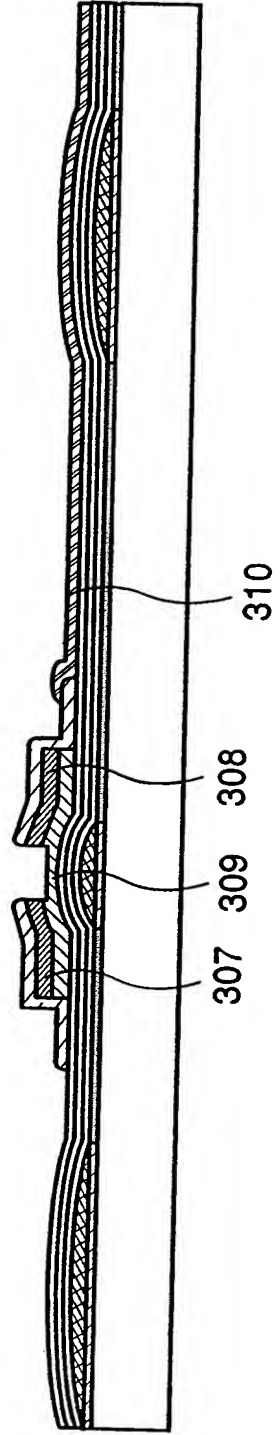


FIG. 10C



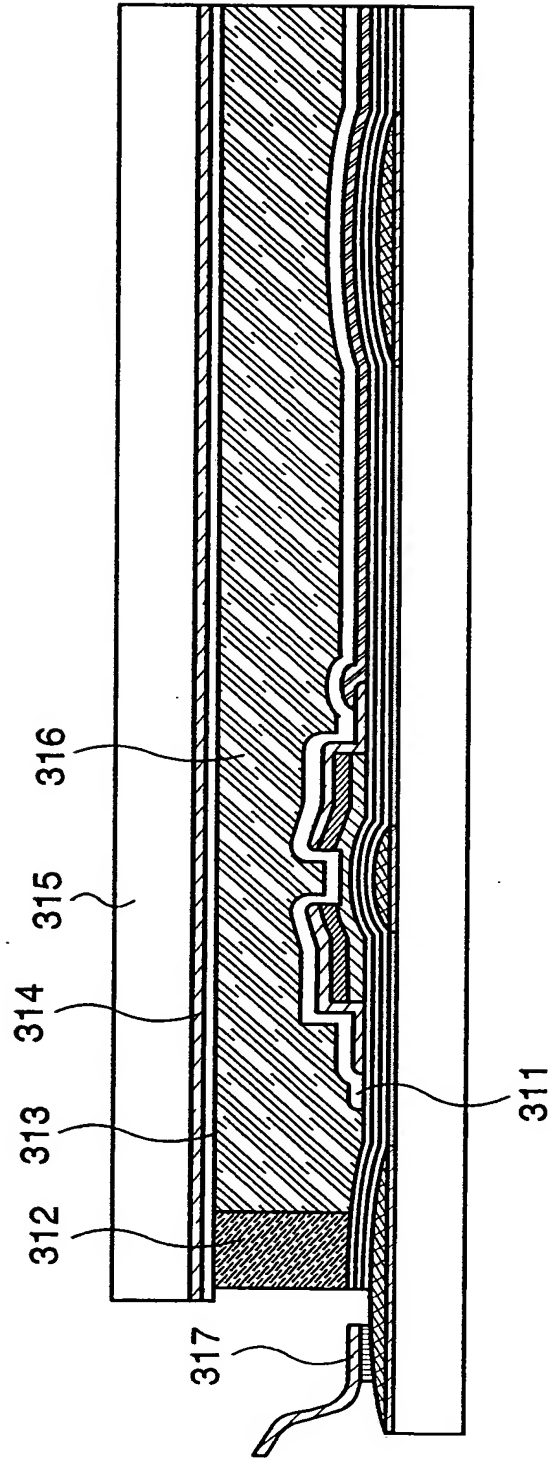


FIG. 11

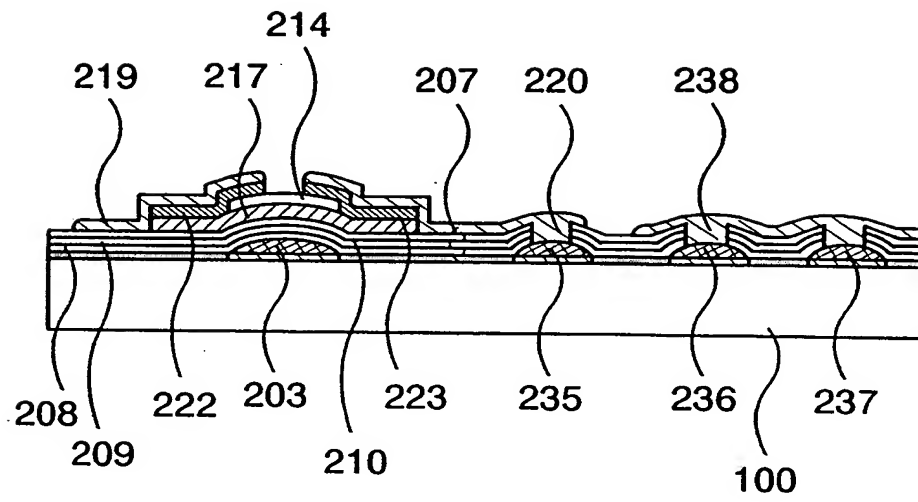


FIG. 12

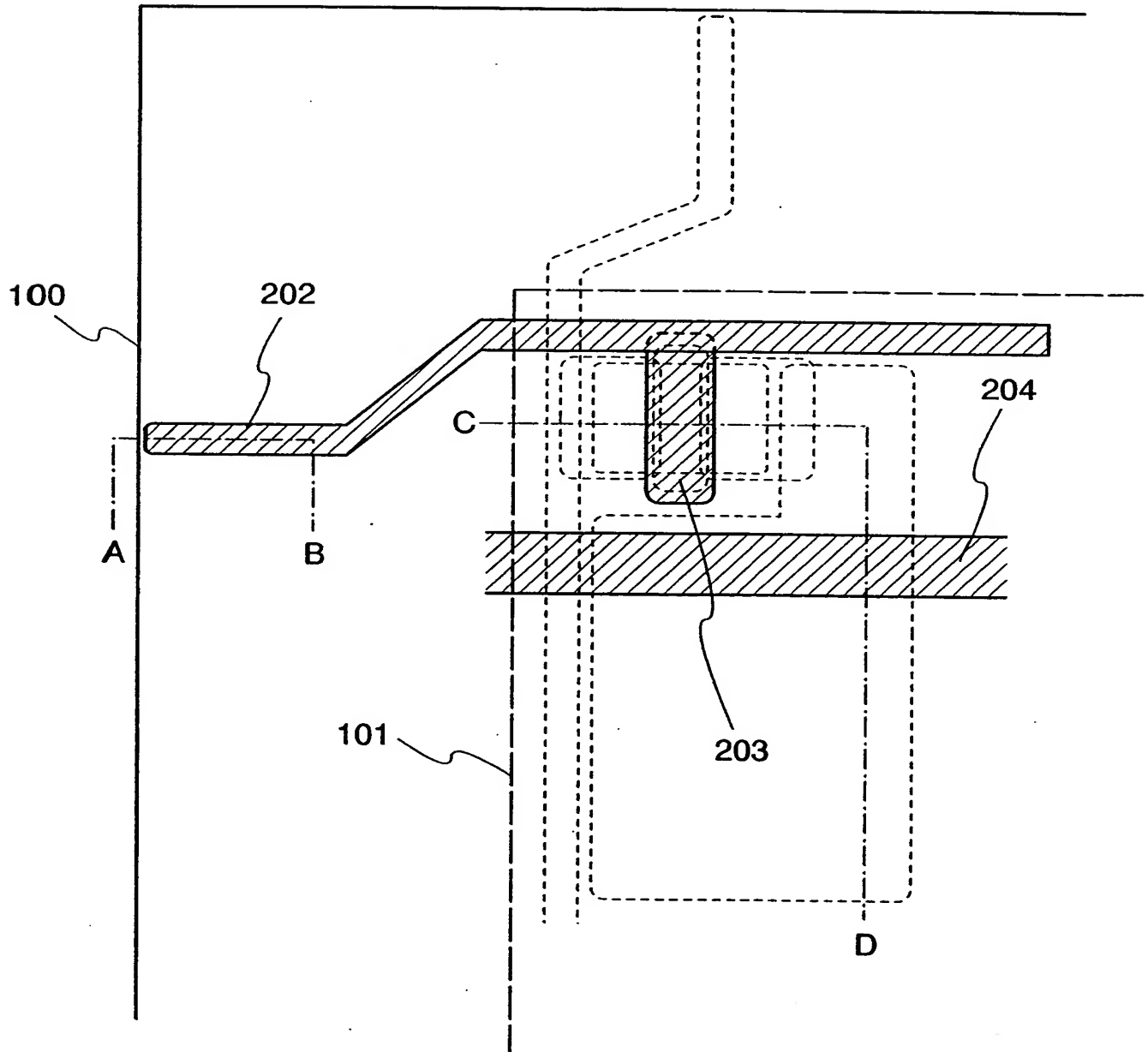


FIG. 13

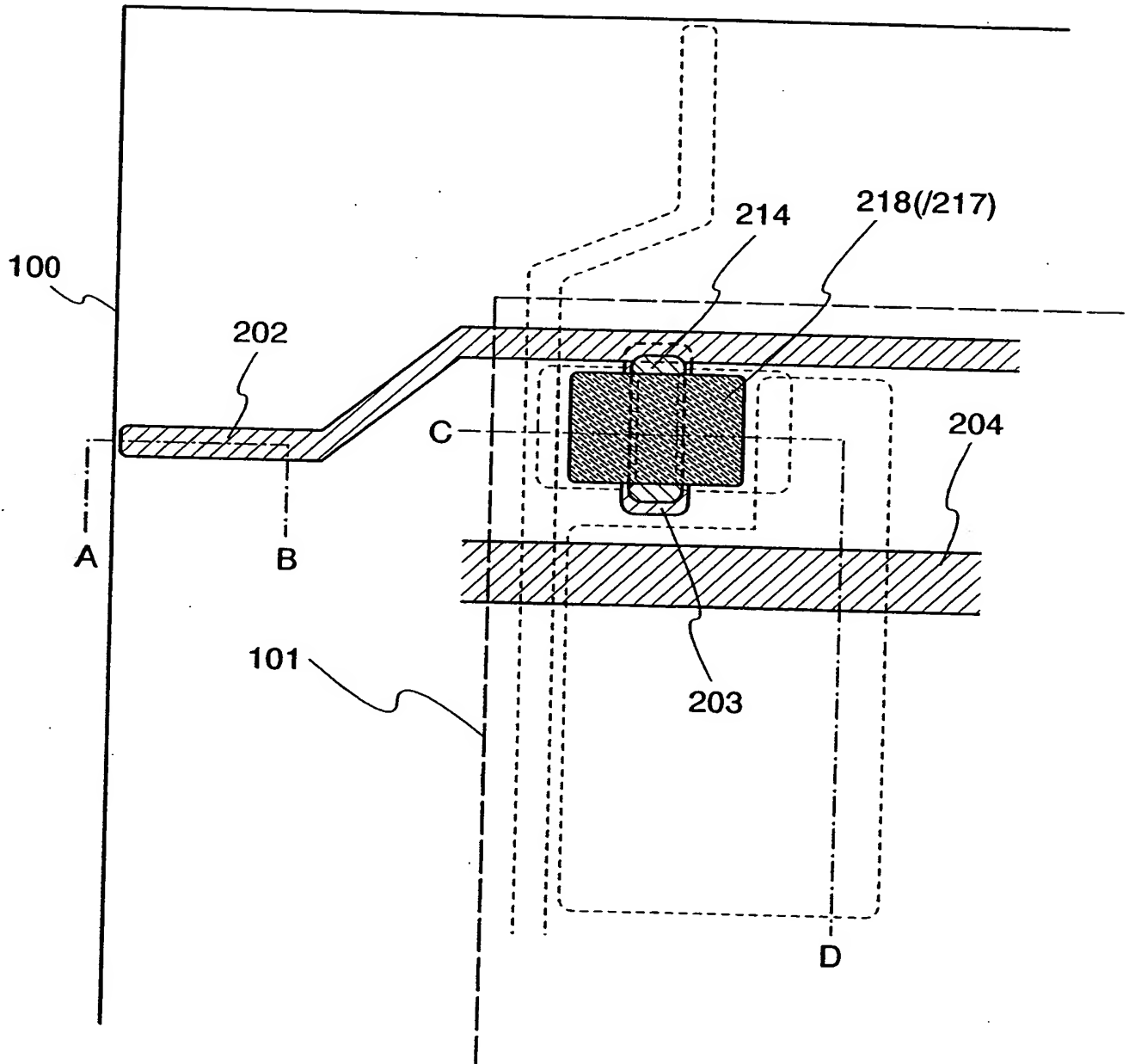


FIG. 14

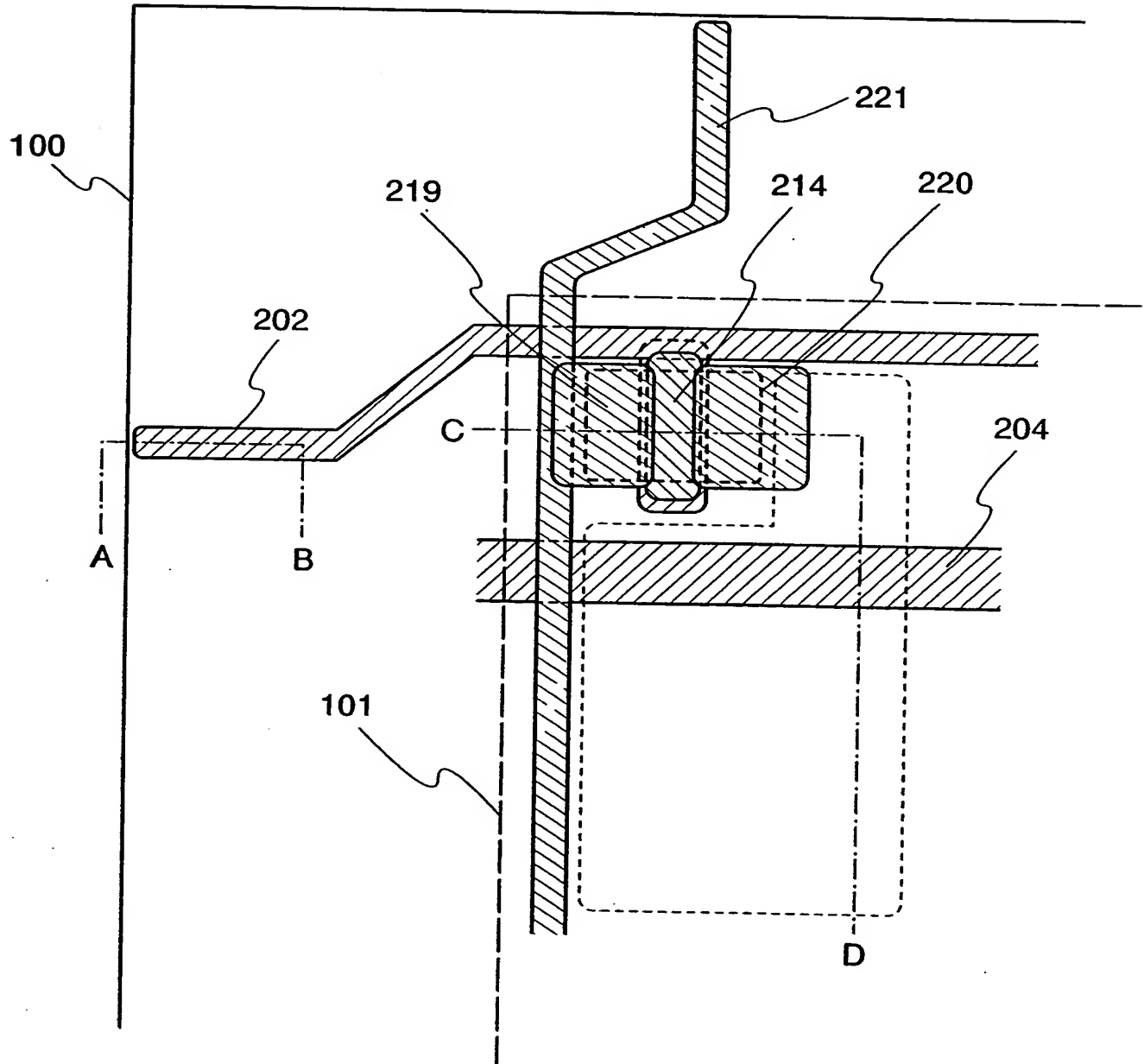


FIG. 15

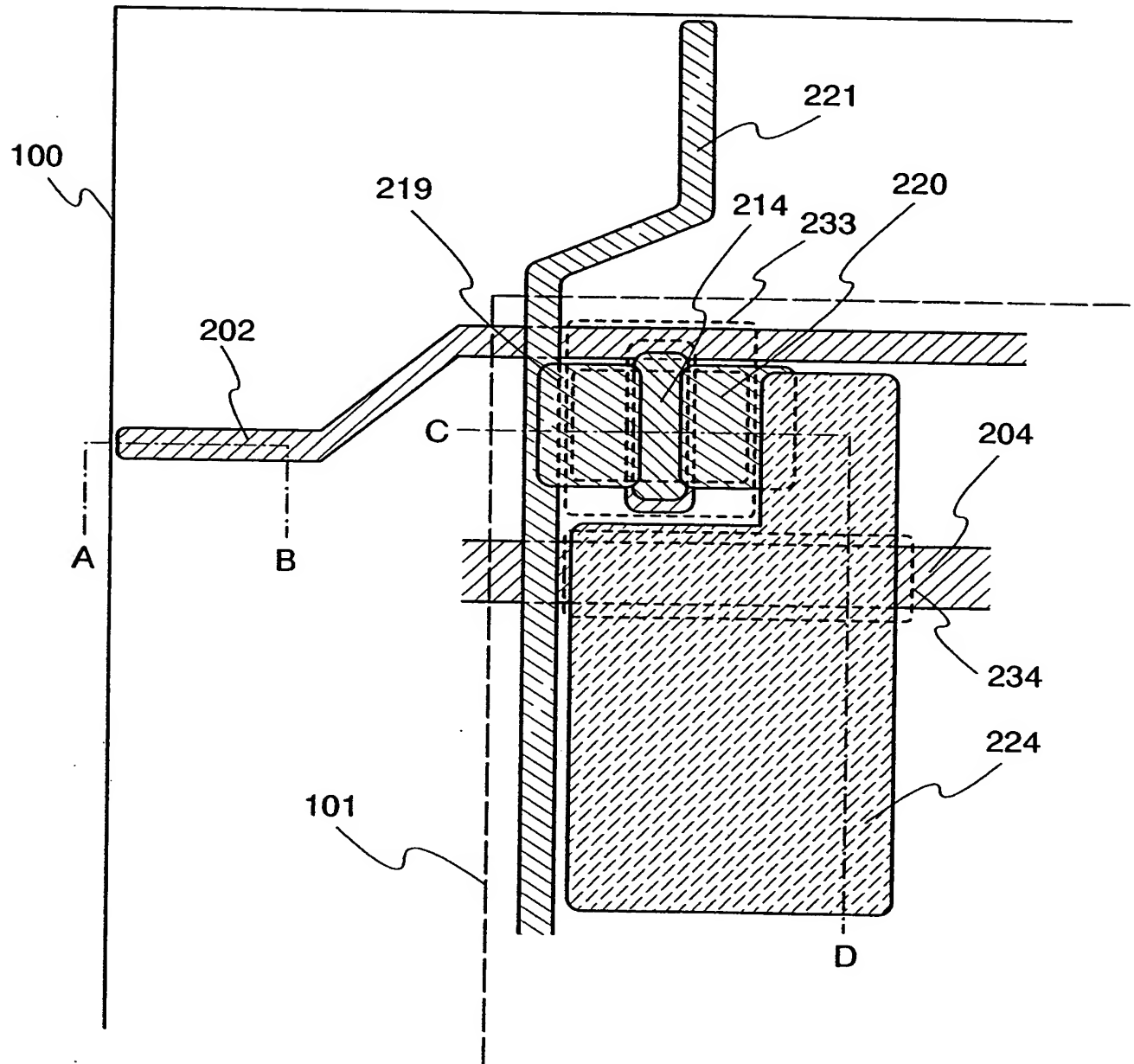


FIG. 16

FIG. 17A

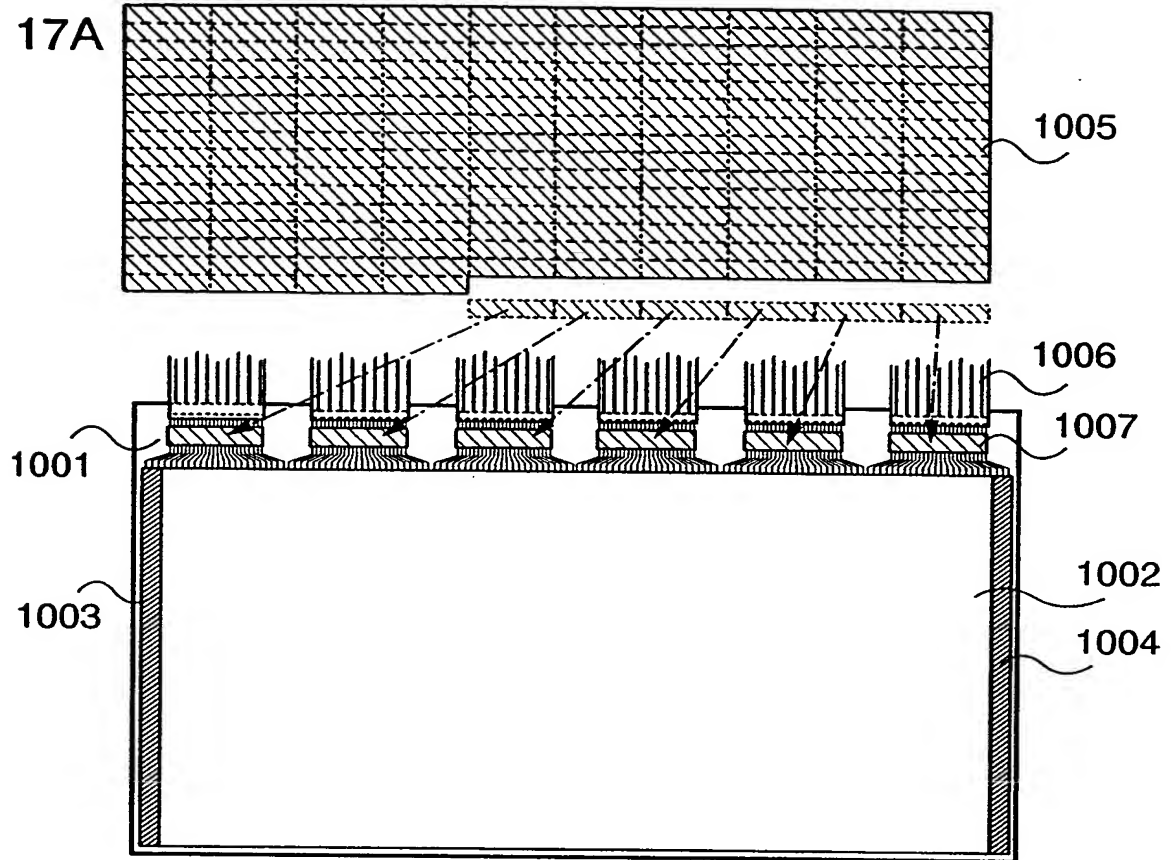


FIG. 17B

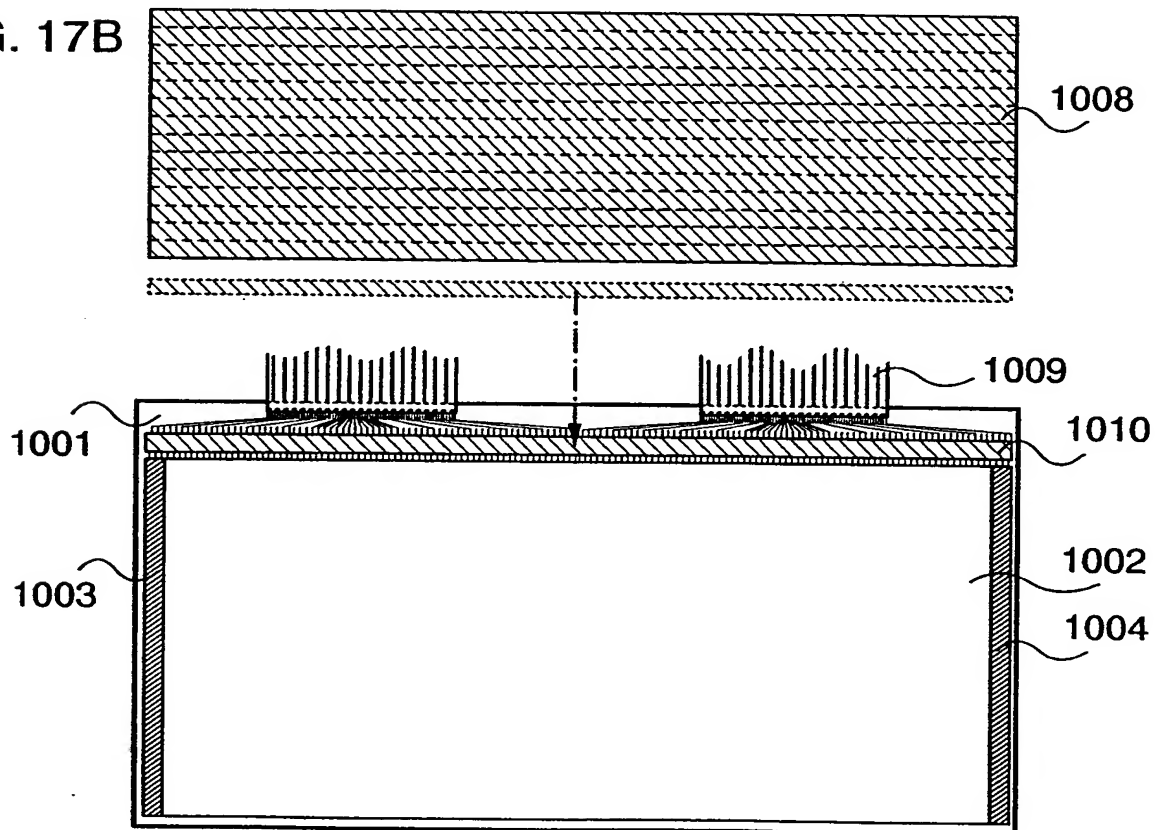


FIG. 18A

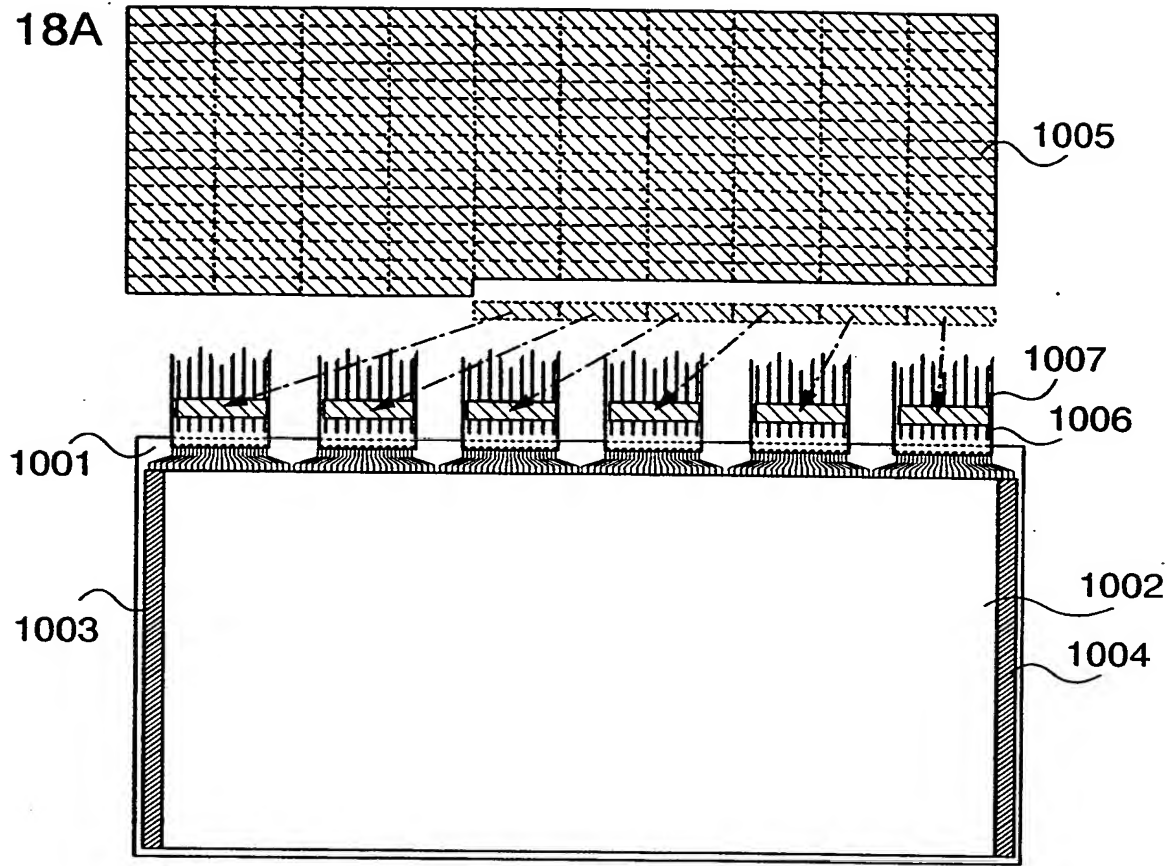
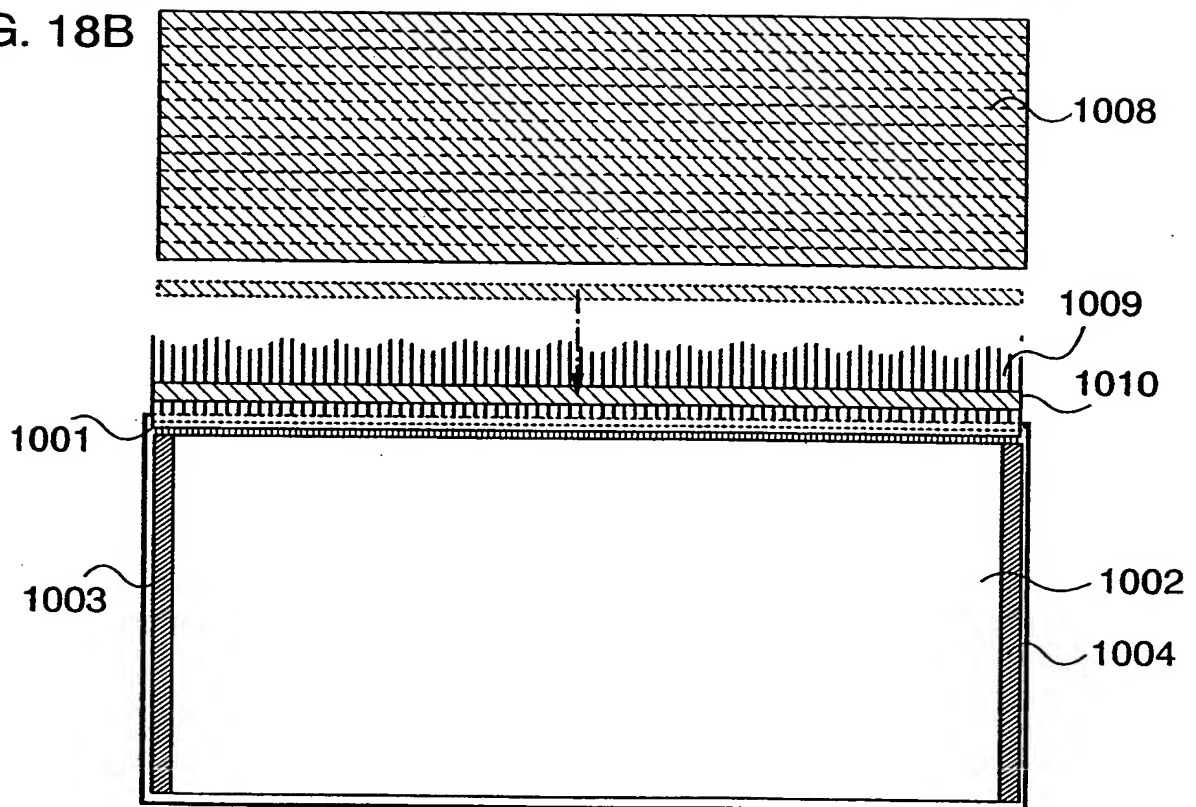


FIG. 18B



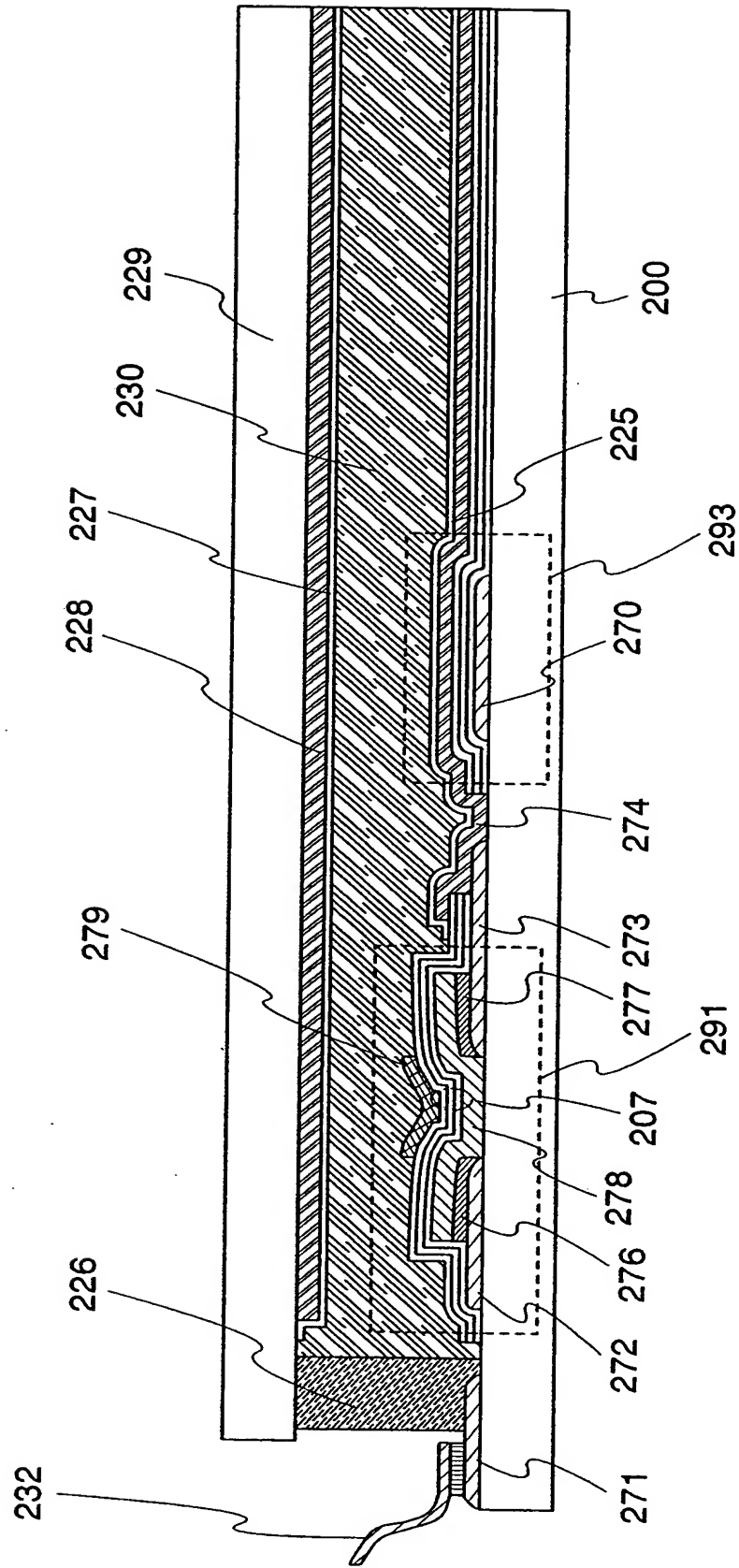


FIG. 19

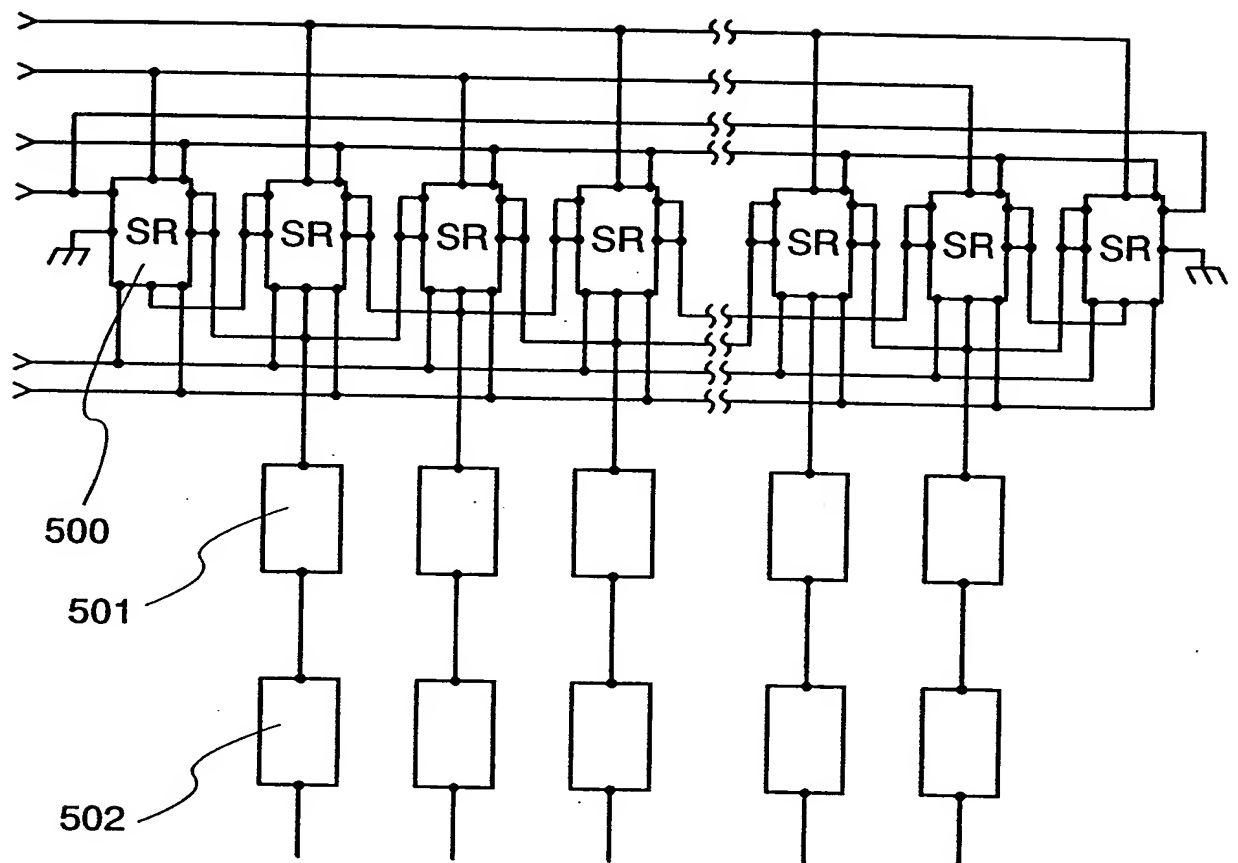


FIG. 20

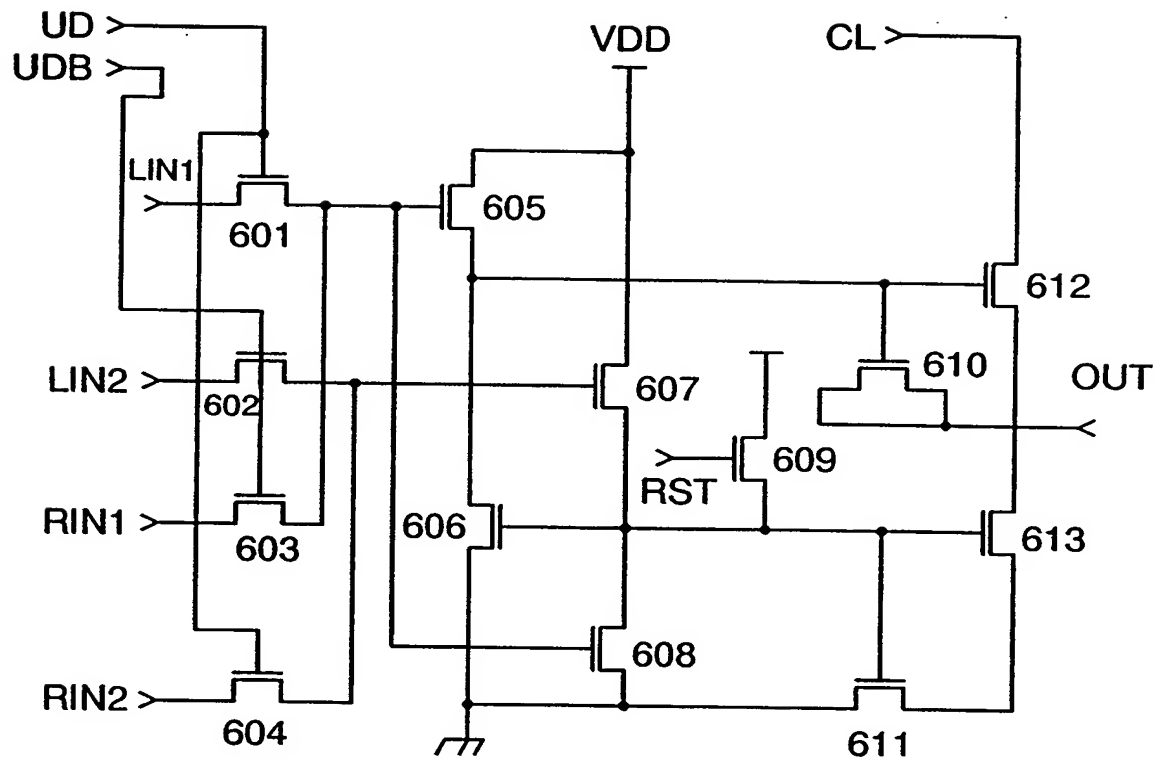


FIG. 21

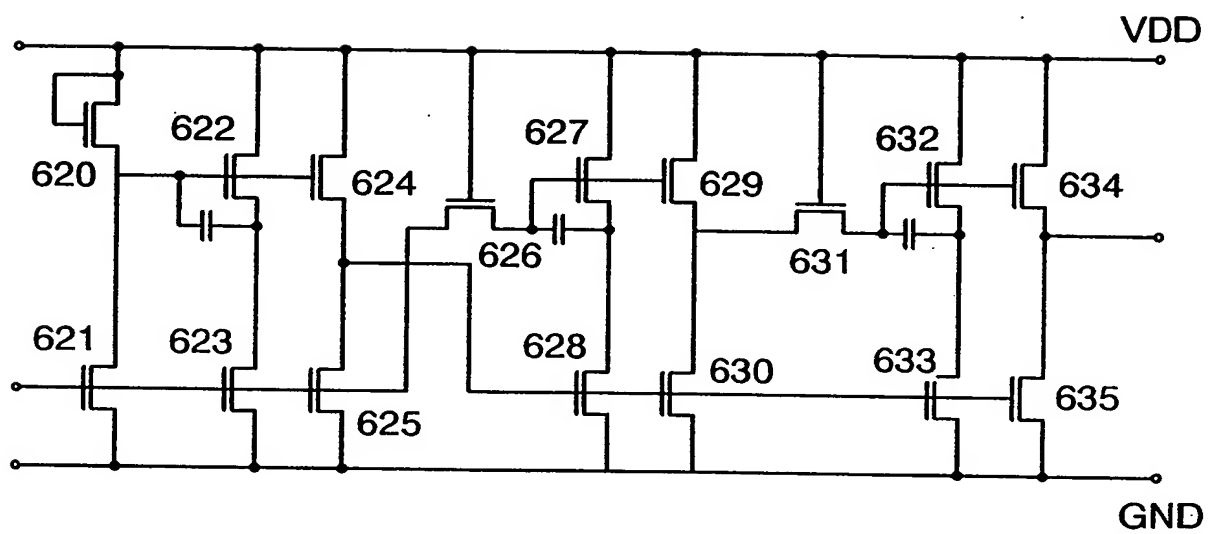


FIG. 22

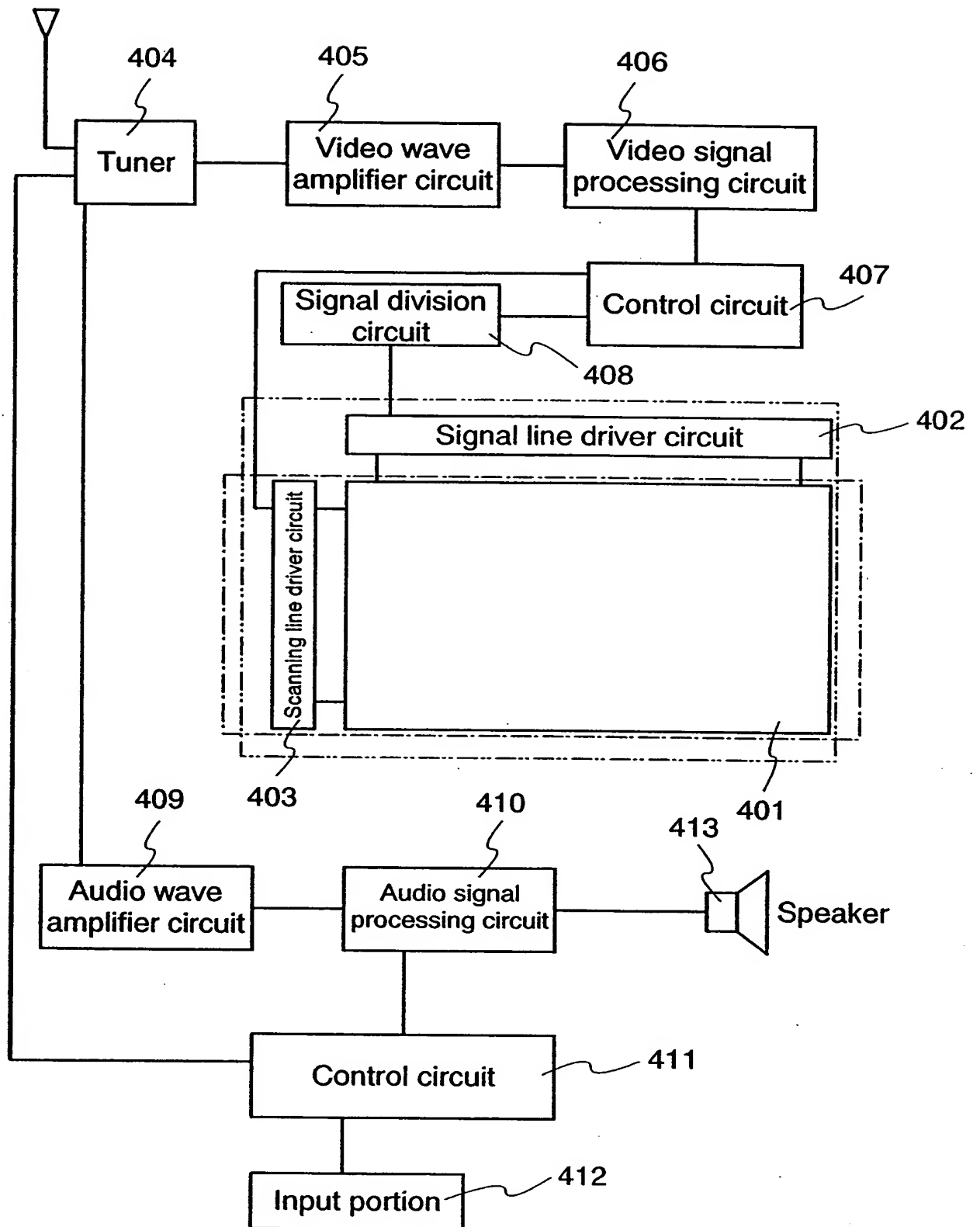


FIG. 23

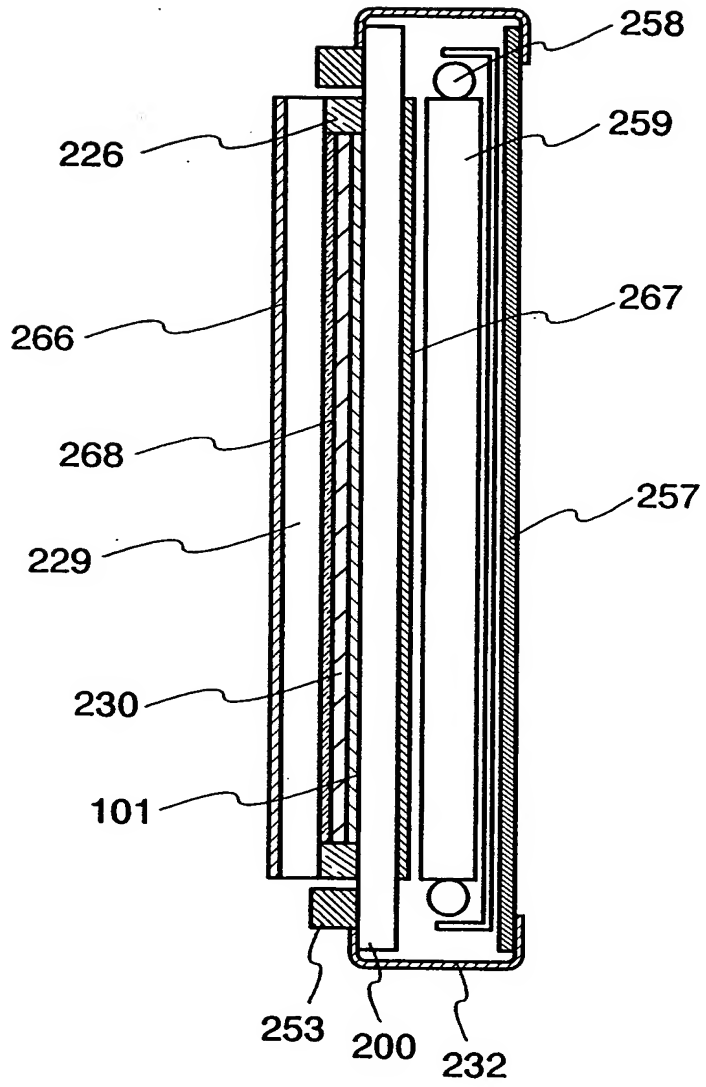


FIG. 24

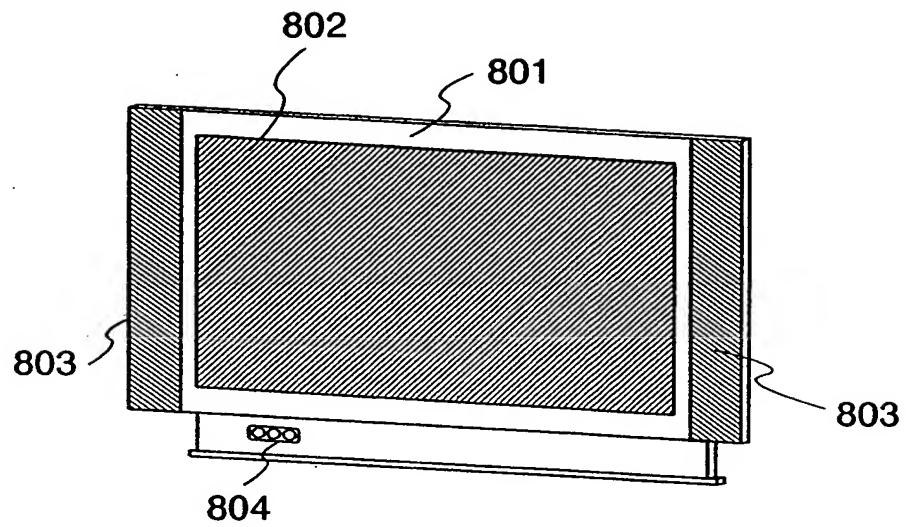


FIG. 25



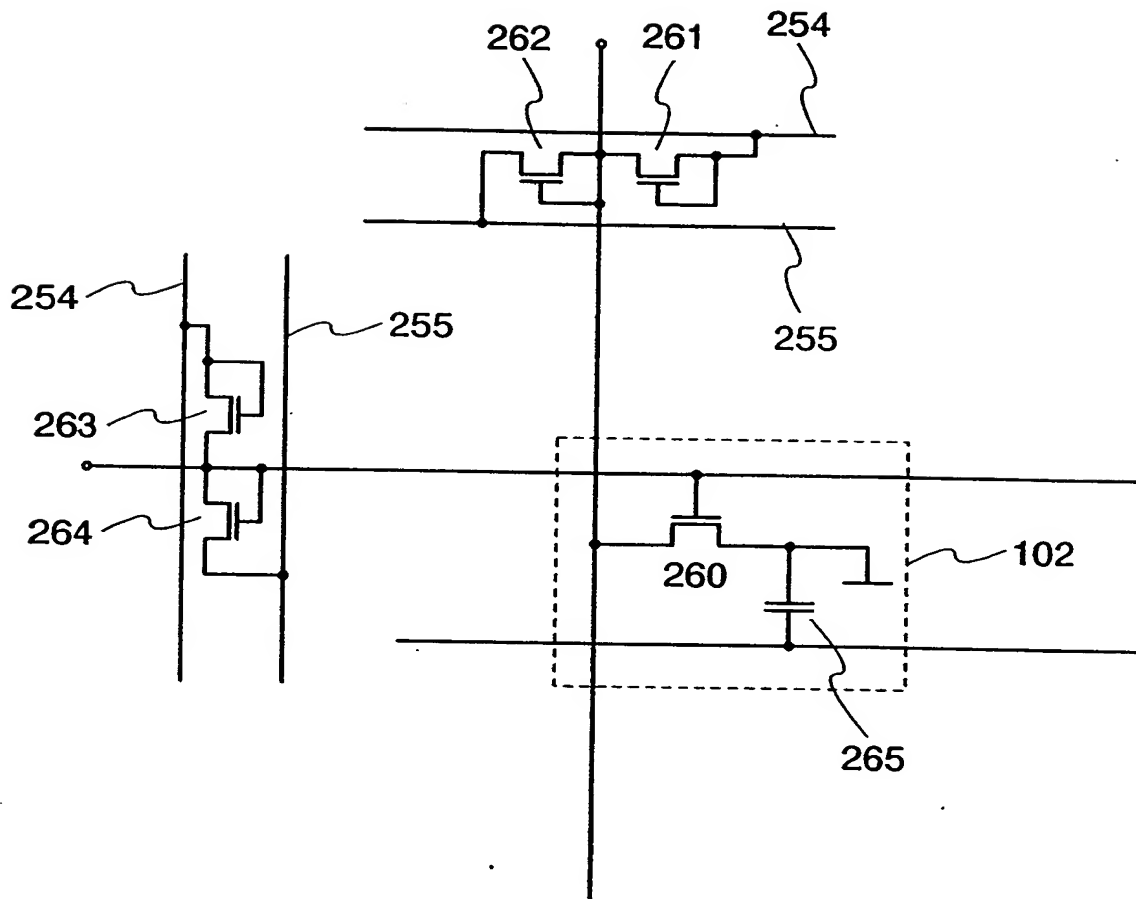


FIG. 27

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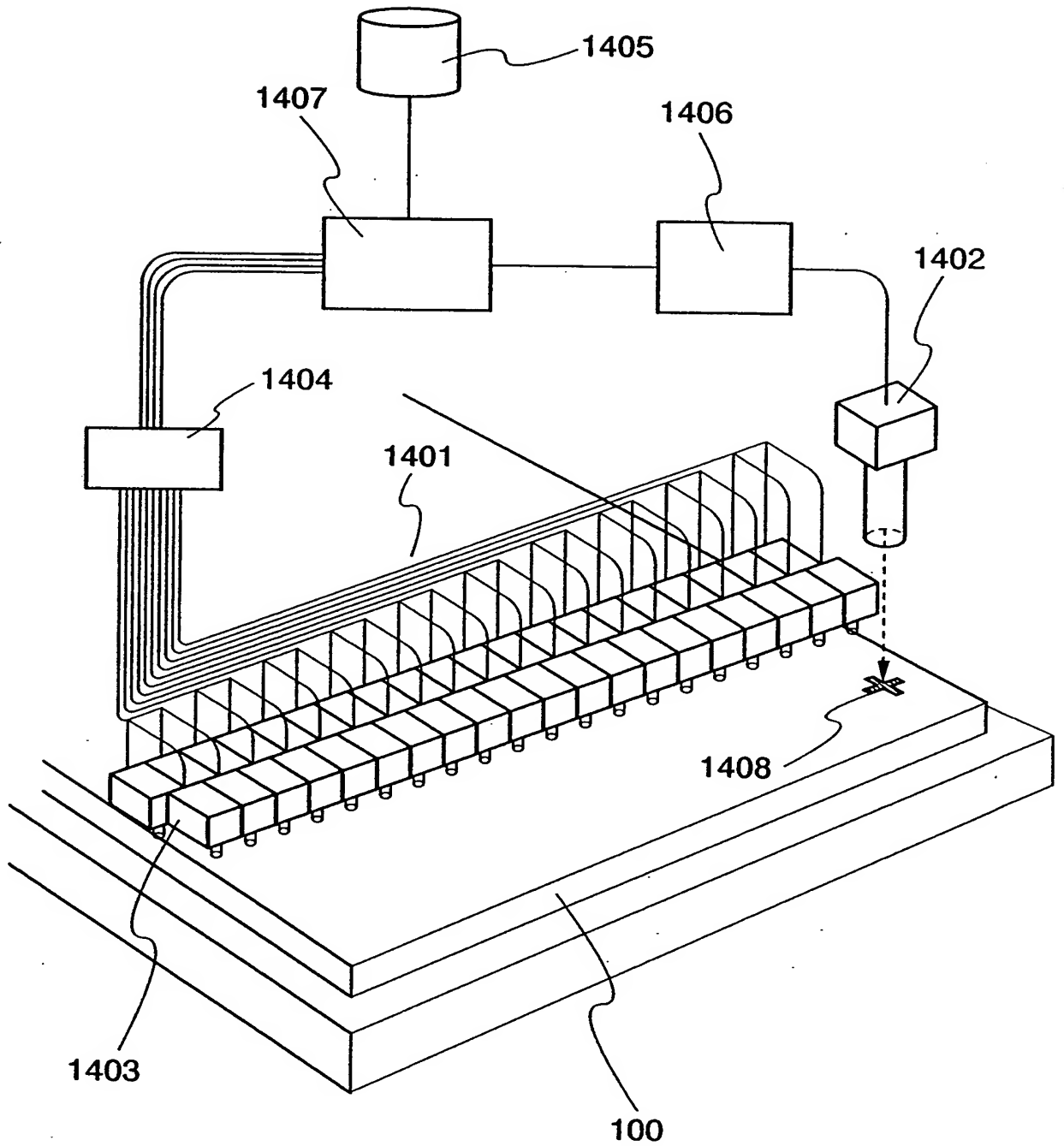


FIG. 28

EXPLANATION OF REFERENCE

- 100 Substrate
- 5 101 Pixel portion
- 102 Pixel
- 103 Scanning line input terminal
- 104 Signal line input terminal
- 105 Scanning line driver IC
- 10 106 Signal line driver IC
- 107 Scanning line driver circuit
- 108 Protective circuit
- 200 TFT substrate
- 201 Conductive layer
- 15 202 Wiring
- 203 Gate electrode
- 204 Capacitor wiring
- 205 Insulating layer
- 207 Gate insulating layer
- 20 208 First insulating layer
- 209 Second insulating layer
- 210 Third insulating layer
- 211 Semiconductor layer
- 212 Insulating layer
- 25 213 Mask
- 214 Insulating layer
- 215 N-type semiconductor layer
- 216 Mask
- 217 Semiconductor layer
- 30 218 N-type semiconductor layer

- 219 Wiring
- 220 Wiring
- 221 Wiring
- 222 N-type semiconductor layer
- 5 223 N-type semiconductor layer
- 224 First electrode
- 225 Insulating layer
- 226 Sealant
- 227 Insulating layer
- 10 228 Second electrode
- 229 Opposite substrate
- 230 Liquid crystal layer
- 232 Wiring board
- 233 Switching TFT
- 15 234 Capacitor element
- 235 Connection wiring
- 236 Connection wiring
- 237 Connection wiring
- 238 Connection wiring
- 20 240 Insulating layer
- 241 Opening
- 242 Opening
- 244 Alignment film
- 250 Gate electrode
- 25 251 Semiconductor layer
- 252 Insulating layer for channel protection
- 253 Wiring
- 254 Common potential line
- 255 Common potential line
- 30 256 Wiring

- 257 Circuit board
- 258 Cold cathode tube
- 259 Light conducting plate
- 260 TFT
- 5 261 Protective diode
- 262 Protective diode
- 263 Protective diode
- 264 Protective diode
- 265 Capacitor element
- 10 266 Polarizing plate
- 267 Polarizing plate
- 268 Colored layer
- 270 Capacitor wiring
- 271 Wiring
- 15 272 Wiring
- 273 Wiring
- 274 First electrode
- 276 N-type semiconductor layer
- 277 N-type semiconductor layer
- 20 278 Semiconductor layer
- 279 Gate electrode
- 291 Switching TFT
- 293 Capacitor portion
- 301 N-type semiconductor layer
- 25 302 Mask
- 303 Semiconductor layer
- 304 N-type semiconductor layer
- 305 Wiring
- 306 Wiring
- 30 307 N-type semiconductor layer

- 308 N-type semiconductor layer
- 309 Semiconductor layer
- 310 First electrode
- 311 Insulating layer
- 5 312 Sealant
- 313 Alignment film
- 314 Opposite electrode
- 315 Substrate
- 316 Liquid crystal layer
- 10 317 Connection terminal
- 401 Pixel portion
- 402 Signal line driver circuit
- 403 Scanning line driver circuit
- 404 Tuner
- 15 405 Video wave amplifier circuit
- 406 Video signal processing circuit
- 407 Control circuit
- 408 Signal division circuit
- 409 Audio wave amplifier circuit
- 20 410 Audio signal processing circuit
- 411 Control circuit
- 412 Input portion
- 413 Speaker
- 500 Pulse output circuit
- 25 501 Buffer circuit
- 502 Pixel
- 601 N-channel type TFT
- 602 N-channel type TFT
- 603 N-channel type TFT
- 30 604 N-channel type TFT

- 605 N-channel type TFT
- 606 N-channel type TFT
- 607 N-channel type TFT
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- 20 630 N-channel type TFT
- 631 N-channel type TFT
- 632 N-channel type TFT
- 633 N-channel type TFT
- 634 N-channel type TFT
- 25 635 N-channel type TFT
- 801 Casing
- 802 Display screen
- 803 Speaker
- 804 Operation switch
- 30 1001 Substrate

- 1002 Pixel portion
- 1003 Scanning line driver circuit
- 1004 Scanning line driver circuit
- 1005 Mother substrate
- 5 1006 Flexible wiring
- 1007 Driver IC
- 1008 Large-sized substrate
- 1009 Flexible wiring
- 1010 Driver IC
- 10 1401 Droplet discharge means
- 1402 Imaging means
- 1403 Head
- 1404 Control means
- 1405 Recording medium
- 15 1406 Image processing means
- 1407 Computer
- 1408 Marker